Lab Dept: Urine/Stool

Test Name: CARBOHYDRATE, RANDOM URINE

**General Information**

- **Lab Order Codes:** CARBO
- **Synonyms:** Disaccharide Screening; Fructose; Lactose; Maltose; Monosaccharide Screening; Reducing Substances Qualitative Urine; Saccharides Urine; SuccinylNucleotidase Screening; Sucrose
- **CPT Codes:** 84377 – Sugars, single qualitative, each specimen
- **Test Includes:** Screen for fructose, glucose, galactose, disaccharides, oligosaccharides and succinlypurines in random urine. The saccharide present is named, identification of the probably source, and an interpretive comment is provided.

**Logistics**

- **Test Indications:** Screening for disorders with increased excretion of carbohydrates.
- **Lab Testing Sections:** Chemistry - Sendouts
- **Referred to:** Mayo Medical Laboratories (MML Test#: 9255/CHOU)
- **Phone Numbers:** MIN Lab: 612-813-6280
  STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 2 – 4 days, test performed Monday, Wednesday and Friday
- **Special Instructions:** See Patient Preparation

**Specimen**

- **Specimen Type:** Urine, random
- **Container:** Screw-capped urine container
- **Draw Volume:** Entire random urine collection
- **Processed Volume:** 5 mL (Minimum: 1 mL) random urine
Collection: Voided or catheterized urine specimen

Special Processing: Lab Staff: Mix specimen well. Aliquot/transfer 5 mL urine into a plastic, 10 mL urine tube. Store and ship at frozen temperatures. Forward promptly.

Patient Preparation: Early morning specimens are preferred

Sample Rejection: Specimens other than urine; warm specimens; mislabeled or unlabeled specimens

**Interpretive**

Reference Range: Negative

If positive, carbohydrate is identified.

Critical Values: N/A

Limitations: A number of compounds (identifiable by the technique used) interfere with the assay; microbial contamination can lead to uninterpretable patterns of urinary saccharides. Retesting will be recommended in these cases.

Methodology: Thin-Layer Chromatography (TLC), Qualitative

References: Mayo Medical Laboratories August 2015